

DERWENT-ACC-NO: 2000-059904

DERWENT-WEEK: 200007

COPYRIGHT 1999 DERWENT INFORMATION LTD

TITLE: Automatic optimization  
processing method for digital  
image photographed by digital  
camera - involves  
converting input digital  
image to output digital image by  
using generated toner curve  
provided with desired amount  
of swelling correction

PRIORITY-DATA: 1998JP-0121936 (May 1, 1998)

PATENT-FAMILY:

PUB-NO	PAGES	PUB-DATE
LANGUAGE		MAIN-IPC
JP 11317872 A		November 16, 1999
N/A	011	H04N 001/407

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR
APPL-NO	APPL-DATE
JP 11317872A	N/A
1998JP-0121936	May 1, 1998

INT-CL (IPC): H04N001/407, H04N001/46 ,  
H04N001/60 , H04N005/262 ,  
H04N005/92 , H04N009/64

----- KWIC -----

Basic Abstract Text - ABTX (1):

NOVELTY - An input digital image is converted to an output digital image by

using a generated toner curve provided with desired amount of swelling

correction. The output density value level of the shadow point and highlight point of the output image is set as input density value level corresponding to the desired input density value level of the shadow point and highlight point

of the input image. DETAILED DESCRIPTION - The desired input density value level for specifying the shadow point and highlight point of the input image is

set based on the relation of the center of gravity deviation of the density value histogram of optimum image, and the amount of swelling correction of the

tone curve. The center of gravity deviation of the density value histogram of

the input digital image is computed based on image data. An INDEPENDENT CLAIM

is also included for an automatic optimization processor.

US-PAT-NO: 5075788

DOCUMENT-IDENTIFIER: US 5075788 A  
\*\*See image for Certificate of Correction\*\*

TITLE: Image quality control  
apparatus capable of density-correcting plural  
areas of different types

DATE-ISSUED: December 24, 1991

US-CL-CURRENT: 358/2.1, 358/462

APPL-NO: 07/ 442854

DATE FILED: November 29, 1989

PARENT-CASE:

This application is a division of application  
Ser. No. 081,721, filed Aug.  
4, 1987, now U.S. Pat. No. 4,903,145.

FOREIGN-APPL-PRIORITY-DATA:		
COUNTRY	APPL-NO	
JP	61-184557	August
6, 1986		
JP	61-184558	August
6, 1986		
JP	61-184565	August
6, 1986		

----- KWIC -----

Detailed Description Text - DETX (88):

In the above embodiment, the average density of the eight points using the point AP as the central point is calculated for density correction of the photograph area, and the corresponding histogram is formed. However, upper and lower limits are provided to some or all density histograms are provided, and these histograms are integrated. Curves similar to the integrated curves may be used to correct the density as follows. The mechanical structure of the next embodiment is substantially the same as that of FIG. 2(a), and a detailed description thereof will be omitted.